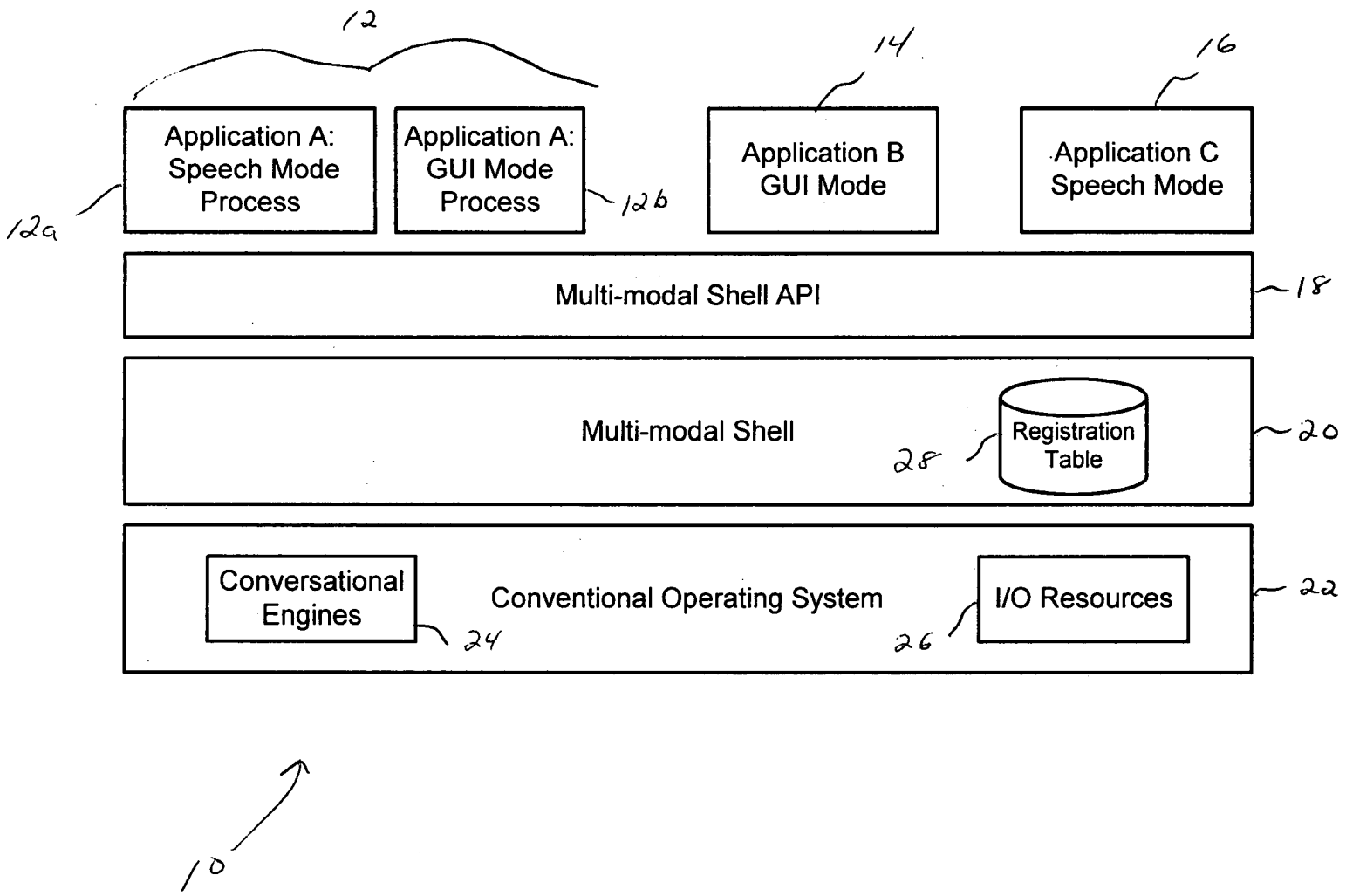

FIG. 1

09879586.021999

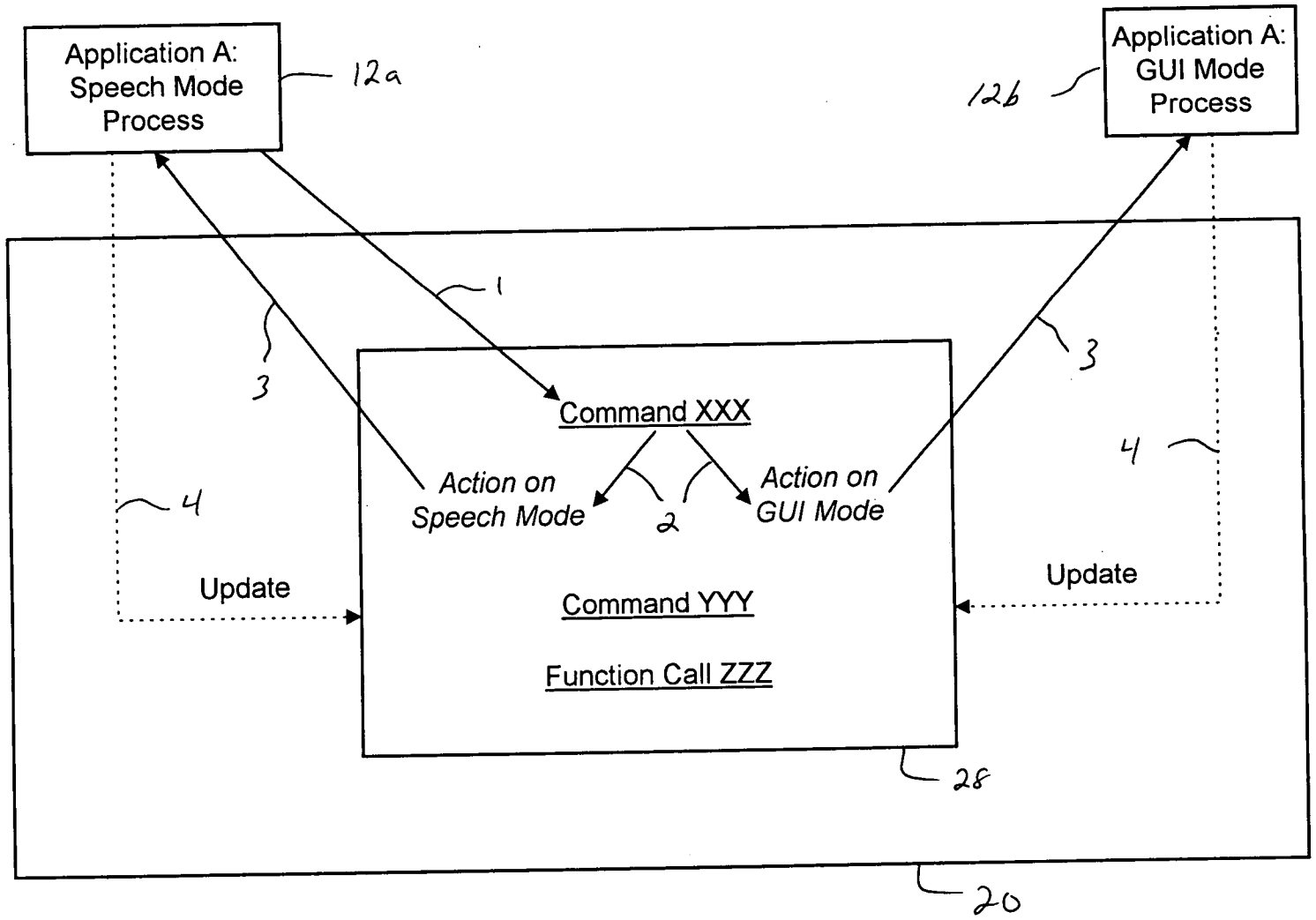
Application A:
Speech Mode
Process
12a
Application A:
GUI Mode
Process
12b
1
3
3
Command XXX
Action on
Speech Mode
2
Action on
GUI Mode
4
4
Update
Update
Command YYY
Function Call ZZZ
28
20

FIG. 2

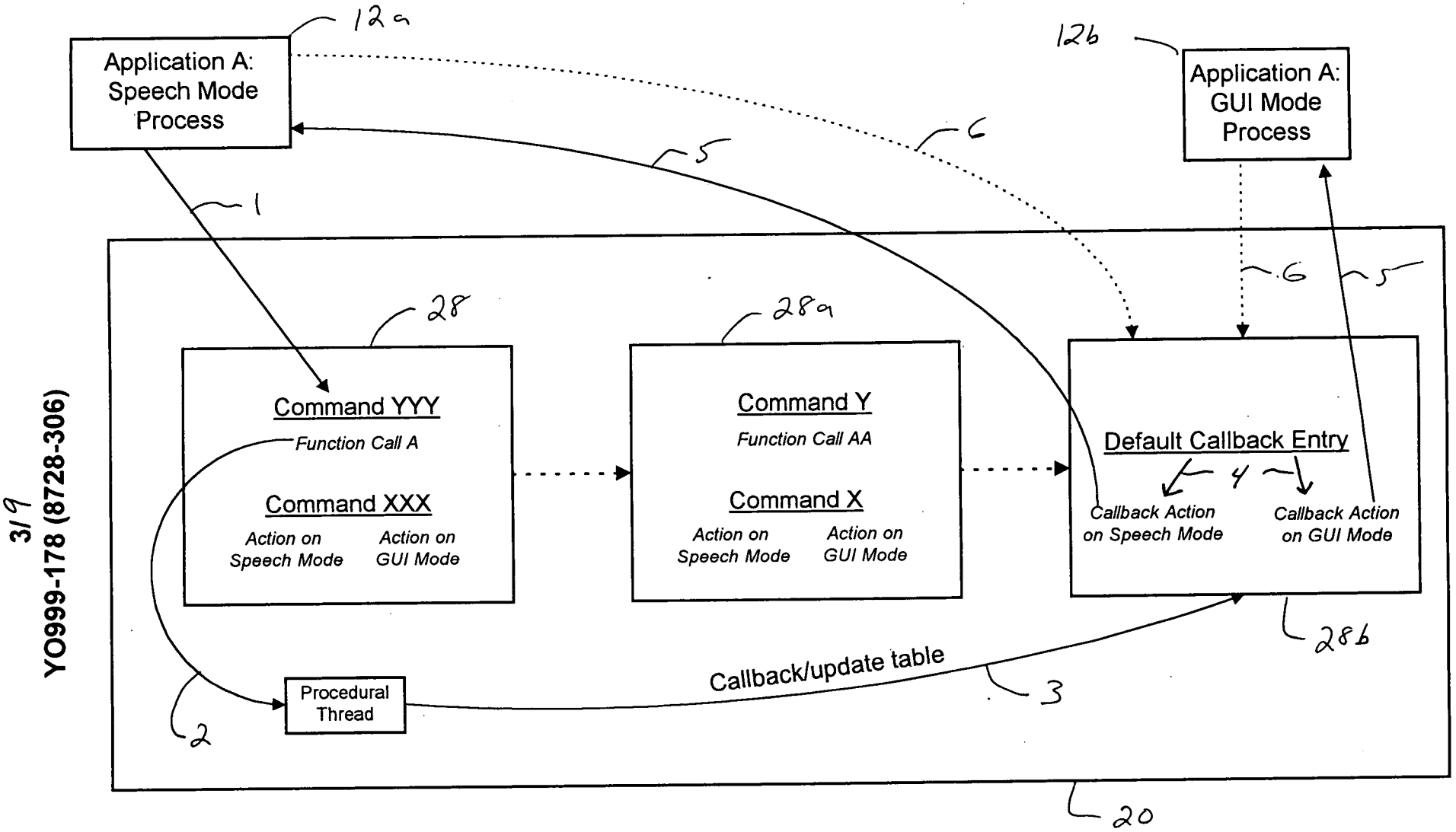
Application A: Speech Mode Process
12a
Application A: GUI Mode Process
12b
1
5
6
6
5
28
28a
Command YYY
Function Call A
Command XXX
Action on Speech Mode
Action on GUI Mode
Command Y
Function Call AA
Command X
Action on Speech Mode
Action on GUI Mode
Default Callback Entry
4
Callback Action on Speech Mode
Callback Action on GUI Mode
28b
Procedural Thread
2
Callback/update table
3
20
319
YO999-178 (8728-306)

FIG. 3

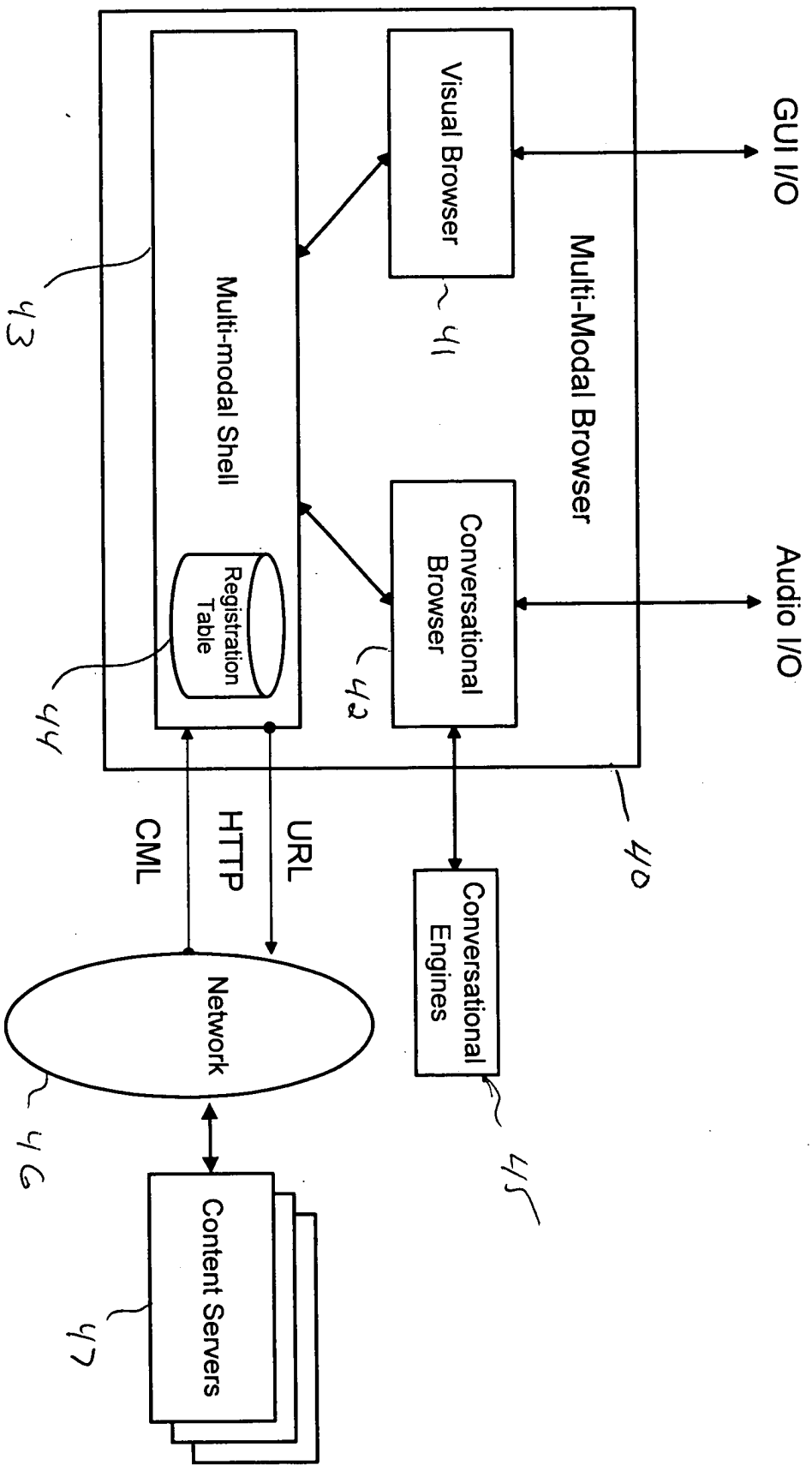
GUI I/O
Audio I/O
Multi-Modal Browser
Visual Browser
Conversational Browser
Multi-modal Shell
Registration Table
Conversational Engines
Network
Content Servers
CML
HTTP
URL
41
42
43
44
45
46
47
40

FIG. 4

Multi-modal Browser: CML structure

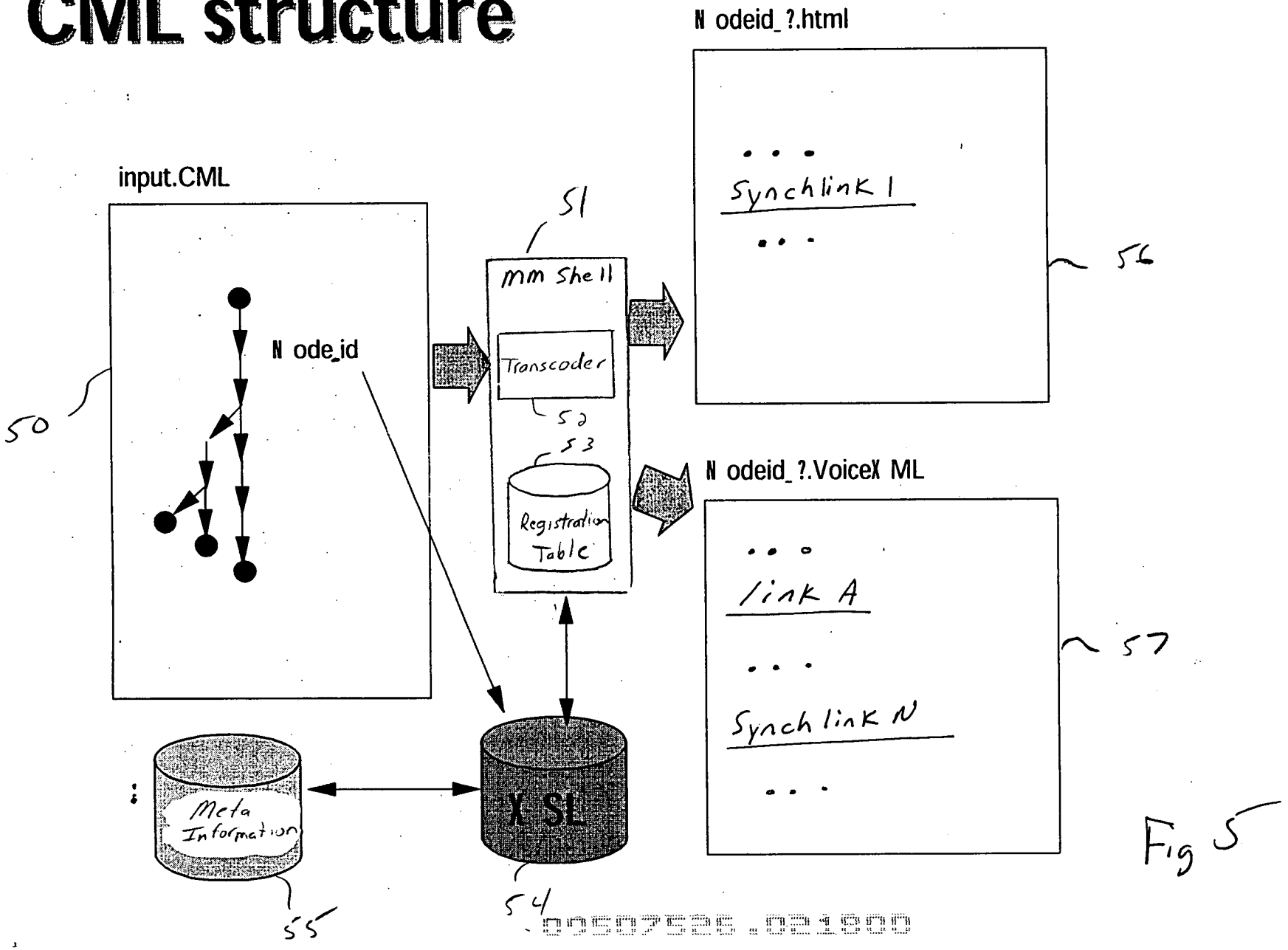

Fig 5

09507535.021909

Multi-modal Browser: Architectures (2)

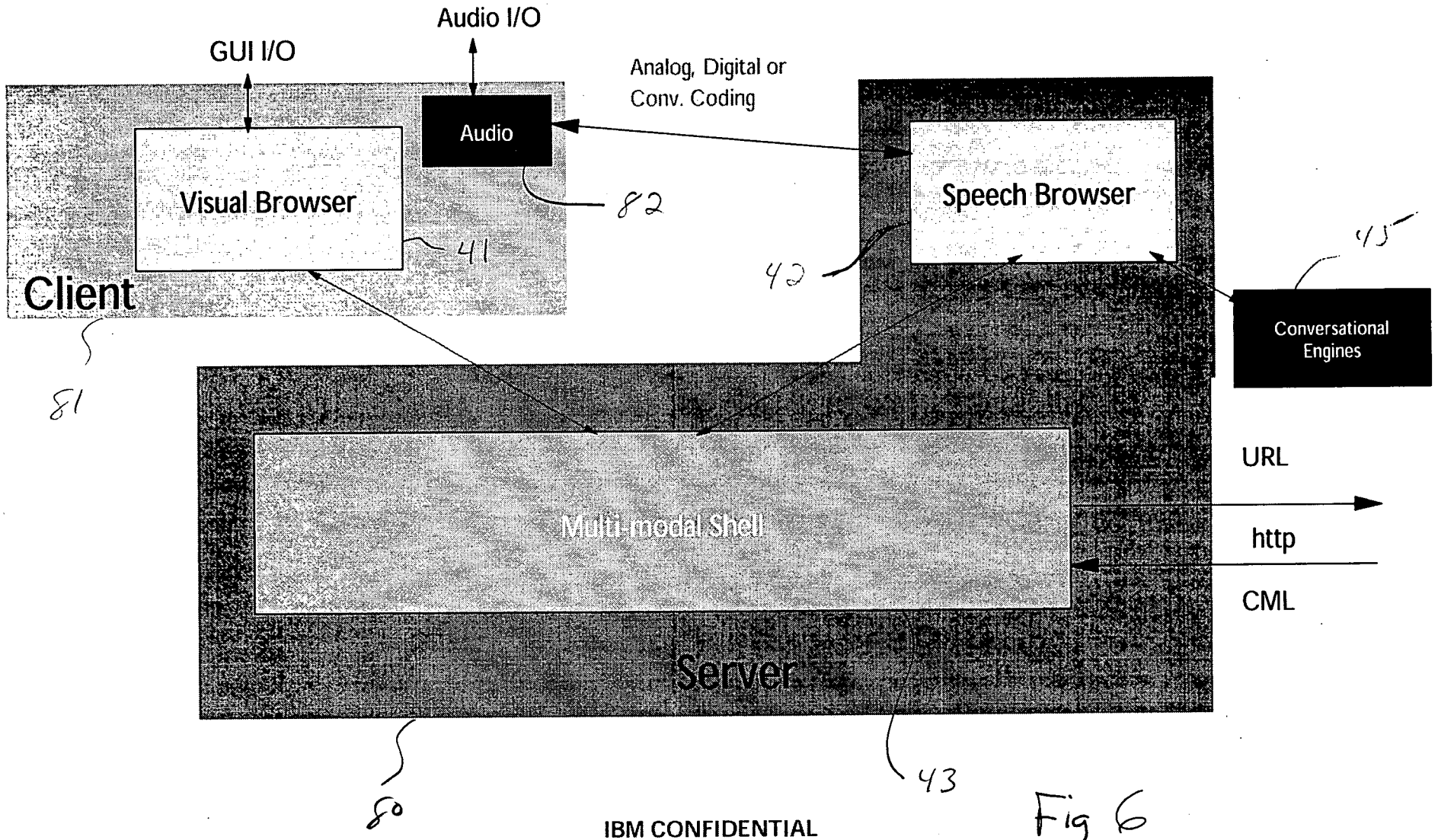

Fig 6

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Multi-modal Browser: Architectures (3)

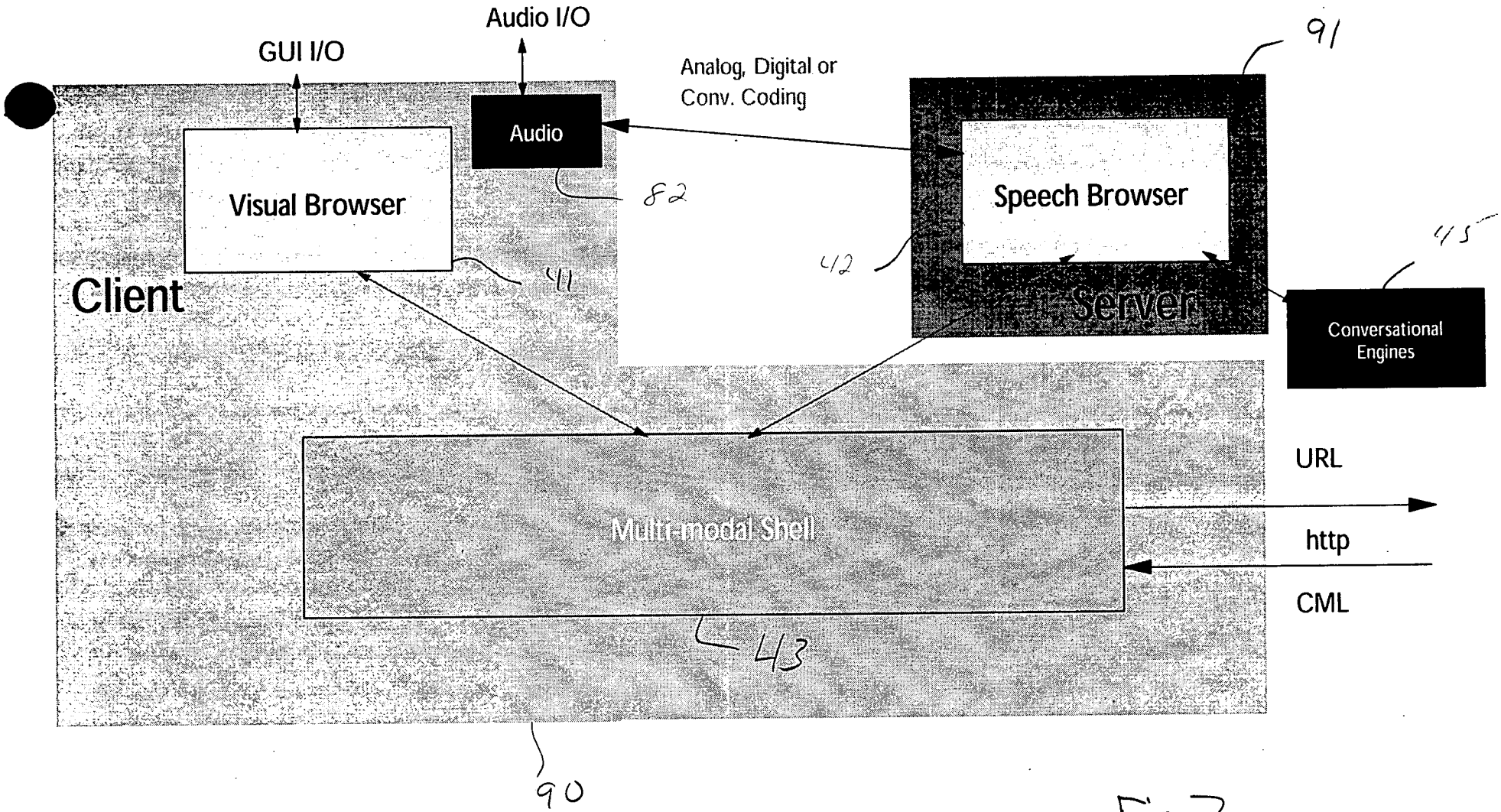

Fig 7

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Multi-modal Browser: Architectures (4)

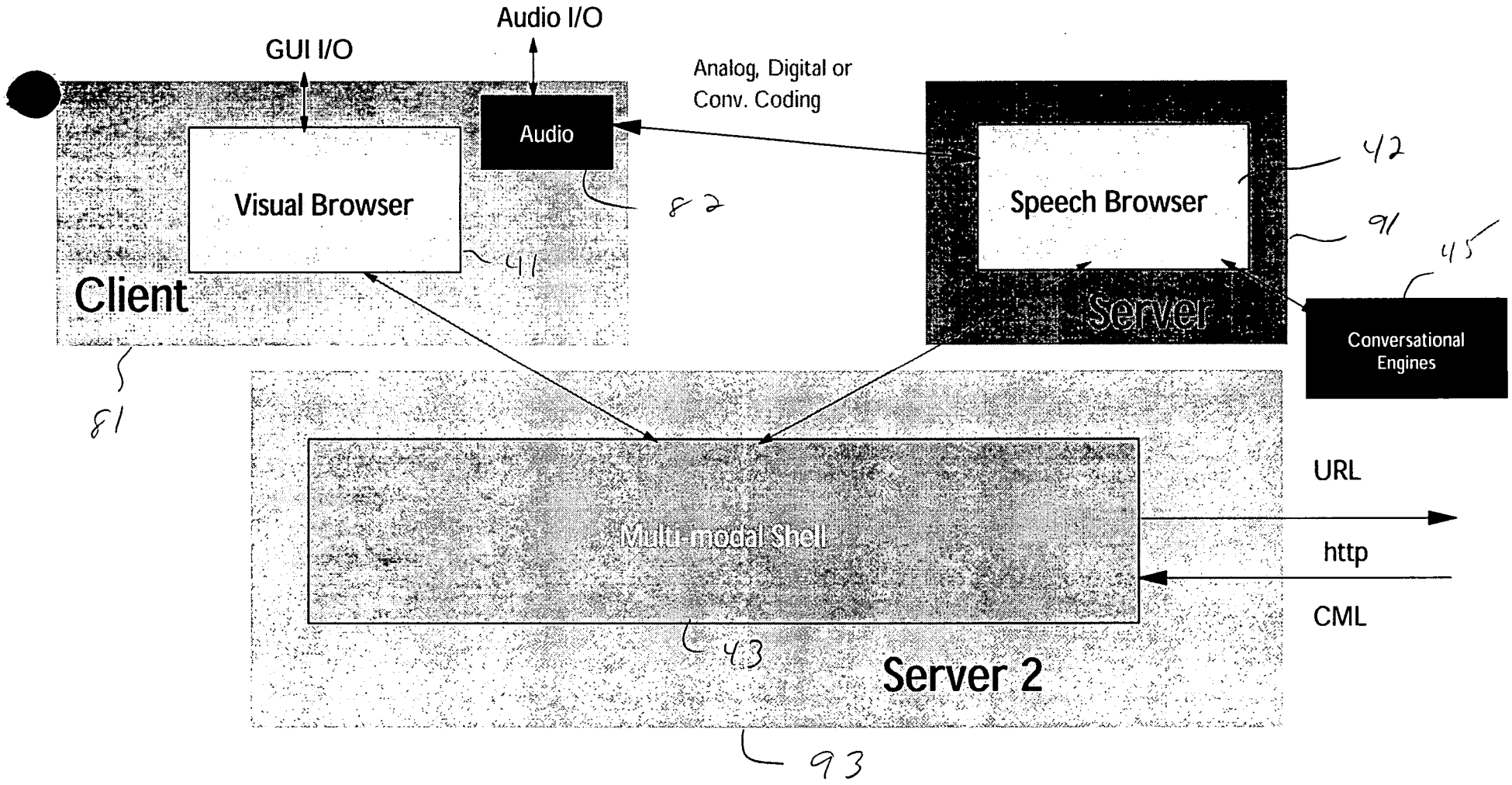

Fig 8

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Multi-modal Browser - Legacy browsers

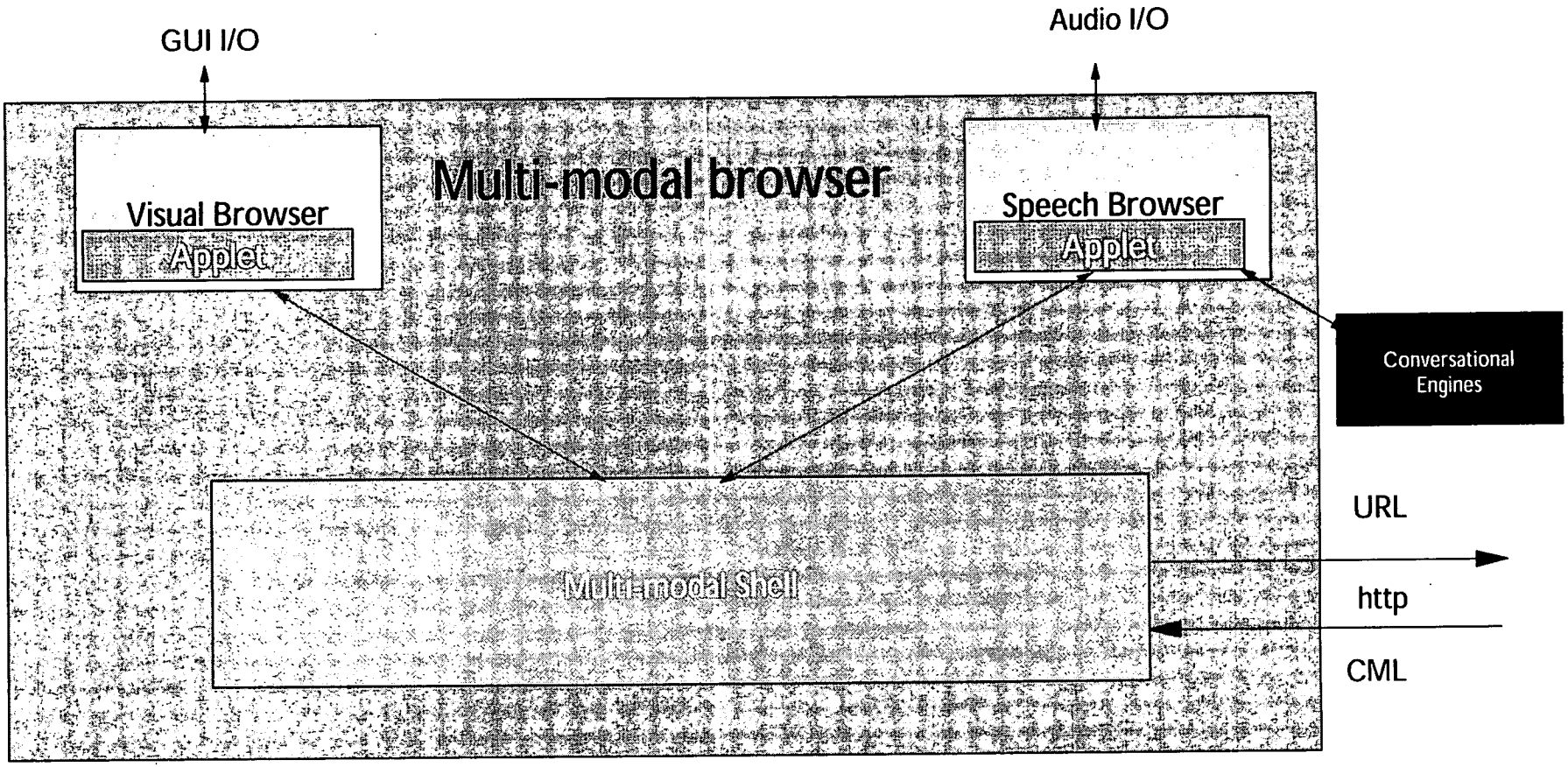

Fig 9

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